## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Ow Investigator(s	ner: Alaska Energy A	Authority					
Investigator(s							Sampling Point: SW13_T130_02
٠ ،	s): JGK			Land	lform (hills	side, terrac	e, hummocks etc.): Swale
Local relief (c	concave, convex, none)	hummocky		Slop	e: 8.7	% / 5.0	° Elevation: 1085
Subregion :	Interior Alaska Mounta	ins	Lat.:	63.04	1117322		Long.: -148.124529004 Datum: WGS84
Soil Map Unit	Name:						NWI classification: PEM1/SS1B
Are Vegetat Are Vegetat	tion , Soil , Soil , Soil	the site typical for this , or Hydrology , or Hydrology	significar naturally	ntly dist probler	urbed? matic?	(If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.
Hydric Wetla	ophytic Vegetation Prese c Soil Present? and Hydrology Present? DUNN SITE 1459 SOIL	Yes • No	$\supset$			the Sam thin a W	pled Area etland? Yes <sup>®</sup> No ○
/EGETAT	ION -Use scientific	names of plants. I					Dominance Test worksheet:
Tree Strat	tum_		Absolut % Cove		minant pecies?	Indicator Status	Number of Dominant Species
1.			0	_			That are OBL, FACW, or FAC:3 (A)
2.							Total Number of Dominant Species Across All Strata: 3 (B)
3			0				Percent of dominant Species
4			0				That Are OBL, FACW, or FAC: 100.0% (A/B)
5		Total Cove	r: <u>0</u>	_			Prevalence Index worksheet: Total % Cover of: Multiply by:
Sapling/S	hrub Stratum	50% of Total Cover:	0 20	0% of To	tal Cover:	0	OBL Species <u>45</u> x 1 = <u>45</u>
1. Salix	pulchra		40	)	<b>✓</b>	FACW	FACW Species 43 x 2 = 86
2. Empe	etrum nigrum		5	_		FAC	FAC Species <u>28.1</u> x 3 = <u>84.30</u>
3. Arcto	ataula daa walaa			1		FAC	FACU Species0 x 4 =0
4			0	_			UPL Species0 x 5 =0
5			0				Column Totals: <u>116.1</u> (A) <u>215.3</u> (B)
6			0				Prevalence Index = B/A = 1.854
			0	_			
				_			Hydrophytic Vegetation Indicators:
				_			✓ Dominance Test is > 50%
10		Total Cove	0	_			Prevalence Index is ≤3.0
Herb Strat		50% of Total Cover:	22.55 2	0% of To			Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
	x aquatilis				<b>✓</b>	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				_		OBL	Indicators of hydric soil and wetland hydrology must     be present, unless disturbed or problematic.
· -	ım rosea		_	_		FAC	be present, unless disturbed of problematic.
	none richardsonii epipsila		. 3	_		FACW	Plot size (radius, or length x width)
	cotum arvonco			_		FAC	% Cover of Wetland Bryophytes 30
	ujaarha manziaaji			_		FAC	(Where applicable)  % Bare Ground  5
							% Bare Ground5 Total Cover of Bryophytes 60
				_			1.500. COVER OF DEPOPHYCES
			0				Hydrophytic
		Total Cove	r: <u>71</u>				Vegetation
		50% of Total Cover:	35.5 20	0% of To	tal Cover:	14.2	Present? Yes  No

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13\_T130\_02

Celer (molet) 96 Celer (molet) 96 Celer (molet) 96 Type: 1 Loc 2 Texture Remarks    100	Depth	Matrix		ent the indicator or co	dox Features			
4.5.6 10YR 2/2 100 Sity Cey    Type: C=Concentration, D=Depletion, RM=Reduced Matrix   2 Location: PL=Pore Lining, RC=Root Channel, M=Matrix   1	<i>a</i> ; ,	noist)	%	Color (moist)	<u>%</u> T	Гуре <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
**Type: C-Concentration. D=Depletion. RM=Reduced Matrix ** Location: PL=Pore Lining, RC=Root Channel. M=Matrix  **Hydric Soil Indicators:	0-4.5		100				Fibric Organics	
Hydric Soil Indicators:    Indicators for Problematic Hydric Soils.     Alaska Coleyed Without Hue 5Y or Redder Underlying Layer     Histic Epipedon (A2)	4.5-6 10YR	2/2	100				Silty Clay	
Indicators for Problematic Hydric Soils Indicators:    Histoco or Histel (A1)								
Hydric Soil Indicators:    Indicators for Problematic Hydric Soils.     Alaska Coleyed Without Hue 5Y or Redder Underlying Layer     Histic Epipedon (A2)								-
Hydric Soil Indicators:    Indicators for Problematic Hydric Soils.     Alaska Coleyed Without Hue 5Y or Redder Underlying Layer     Histic Epipedon (A2)							_	
Hydric Soil Indicators:    Indicators for Problematic Hydric Soils.*   Indicators Sufface (A12)   Alaska Cleyed Mithout Hue SY or Redder Underlying Layer Underlying Layer Underlying Layer Other (Explain in Remarks)   Alaska Gleyed Mithout Hue SY or Redder Underlying Layer Underlying Layer Other (Explain in Remarks)   Alaska Gleyed Rose (A12)   Alaska Redox (M14)   Alaska Gleyed Pores (A15)     Alaska Gleyed Pores (A13)   Alaska Redox (M14)   Alaska Gleyed Pores (A15)     Alaska Gleyed Pores (A15)   Alaska Redox (M14)   Alaska Gleyed Pores (A15)     Alaska Gleyed Pores (A15)   Alaska Redox (M14)   Alaska Gleyed Pores (A15)     Alaska Gleyed Pores (A13)   Alaska Redox (M14)   Alaska Gleyed Pores (A15)     Alaska Gleyed Pores (A13)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Gleyed Mithout Hue SY or Redder Underlying Layer Underlying Layer     Alaska Gleyed Mithout Hue SY or Redder Underlying Layer     Other (Explain in Remarks)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Gleyed Mithout Hue SY or Redder Underlying Layer     Other (Explain in Remarks)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Gleyed Mithout Hue SY or Redder Underlying Layer     Other (Explain in Remarks)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Gleyed Mithout Hue SY or Redder Underlying Layer     Other (Explain in Remarks)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Redox (M14)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Redox (M14)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Redox (M15)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Redox (M15)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Redox (M15)   Alaska Redox Mith 2.5 Y Hue Underlying Layer     Alaska Redox (M15)   Alaska Redox Mith 2.5 Y Hue Underlyi							_	
Hydric Soil Indicators:    Indicators for Problematic Hydric Soils.*   Alaska Color Change (TAy)*   Alaska Gleyed Without Hue SY or Redder Underlying Layer Underlying Layer Underlying Layer Other (Explain in Remarks)   Alaska Releyed Mithout Hue SY or Redder Underlying Layer Underlying Layer Other (Explain in Remarks)   Alaska Releyed Rores (A12)   Alaska Releyed Rores (A13)   Alaska Releyed Rores (A13)   Alaska Releyed Rores (A13)   Alaska Releyed Rores (A14)   Alaska Releyed Rores (A15)   Alaska Releyed Rores (A15)     Alaska Releyed Rores (A13)   Alaska Releyed Rores (A15)   Alaska Releyed Releyed Releasing								
Hydric Soil Indicators:								
Hydric Soil Indicators:    Histocator Histel (A1)	Type: C=Concentration.	 D=Depletior	n. RM=Reduced	Matrix <sup>2</sup> Locatio	n: PL=Pore Li	ning. RC=Root C	— — hannel. M=Matrix	
Histosol or Histel (A1)								
Histic Epipedon (A2)					4	-	Alaska Gleved Without H	ue 5Y or Redder
Hydrogen Sulfide (A4)				_				
Thick Dark Surface (A12)   Alaska Gleyed (A13)   Alaska Gleyed (A13)   Alaska Gleyed (A13)   Alaska Gleyed (A15)   4 Give details of color change in Remarks      Alaska Gleyed Pores (A15)   4 Give details of color change in Remarks      Restrictive Layer (if present):   Type: till   Depth (inches): 6      Permarks:   Hydric Soil Present? Yes No   No      No   No   No   No   No   N	=				. ,		✓ Other (Explain in Remar	ks)
Alaska Gleyed (A13)   3 One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an an appropriate landscape position must be present	_							
Alaska Redox (A14) Alaska Gleyed Pores (A15)	_ `	/						nydrology,
Alaska Gleyed Pores (A15)  *A Give details of color change in Remarks  Restrictive Layer (if present):  Type: till Depth (inches): 6  *Remarks:				and an appropria	ite landscape p	osition must be p	present	
Type: till Depth (inches): 6  Remarks:  hin horizon of silty clay but essentially an organic soil overlying till.  sostive alpha-alpha Dypiridyl rxn indicates reducing environment.    Mathematical Primary Indicators:   Secondary Indicators (two or more are required)   Water Stained Leaves (B9)   Water Stained Leaves (B9)   Oxidized Rhizospheres along Living Roots (C3)	_ ` ′	<b>\15</b> )		<sup>4</sup> Give details of o	color change in	Remarks		
Depth (inches): 6  emarks:  Inin horizon of silty clay but essentially an organic soil overlying till.  soitive alpha-alpha Dypiridyl rxn indicates reducing environment.   YDROLOGY  Vetland Hydrology Indicators:  Secondary Indicators (two or more are required)  Water Stained Leaves (B9)  Primary Indicators (any one is sufficient)  High Water (A1)  Water Table (A2)  Sparsely Vegetated Concave Surface (B8)  Water Marks (B1)  Water Marks (B1)  Sediment Deposits (B15)  Drift Deposits (B2)  Dry-Season Water Table (C2)  Sufficient (C4)  Solit Deposits (C5)  Dry-Season Water Table (C2)  Dry-Season Water Table (C3)  Wetland Hydrology Present? Yes No  Saturation Present?  Yes No  Depth (inches):  Wetland Hydrology Present? Yes No  Saturation Present?  Yes No  Depth (inches):  Wetland Hydrology Present? Yes No  Saturation Present?  Yes No  Depth (inches):  Wetland Hydrology Present? Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Depth (inches):  Wetland Hydrology Present? Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No  Saturation Present?  Yes No	estrictive Layer (if present	t <b>):</b>						
Agal Mat or Crust (B4)	Type: till						Hydric Soil Present	? Yes • No ·
Thin horizon of silty clay but essentially an organic soil overlying till. ositive alpha-alpha Dypiridyl rxn indicates reducing environment.	Depth (inches): 6							
Wetland Hydrology Indicators:       Secondary Indicators (two or more are required)         Primary Indicators (anv one is sufficient)       □ Mater Stained Leaves (B9)         □ Surface Water (A1)       □ Inundation Visible on Aerial Imagery (B7)       □ Drainage Patterns (B10)         ☑ High Water Table (A2)       □ Sparsely Vegetated Concave Surface (B8)       □ Oxidized Rhizospheres along Living Roots (C3)         ☑ Saturation (A3)       □ Marl Deposits (B15)       ☑ Presence of Reduced Iron (C4)         □ Water Marks (B1)       □ Hydrogen Sulfide Odor (C1)       □ Salt Deposits (C5)         □ Sediment Deposits (B2)       □ Dry-Season Water Table (C2)       □ Stunted or Stressed Plants (D1)         □ Drift Deposits (B3)       □ Other (Explain in Remarks)       □ Geomorphic Position (D2)         □ Algal Mat or Crust (B4)       ☑ Shallow Aquitard (D3)       □ Iron Deposits (B5)       ☑ Microtopographic Relief (D4)         □ Surface Soil Cracks (B6)       ☑ FAC-neutral Test (D5)       ☑ FAC-neutral Test (D5)         Water Table Present?       Yes ○ No ○ Depth (inches):       ☑ Depth (inches):       ☑ Wetland Hydrology Present?       Yes ○ No ○         Saturation Present?       Yes ○ No ○ Depth (inches):       ☑ Depth (inches):								
Primary Indicators (any one is sufficient)  Surface Water (A1)  Inundation Visible on Aerial Imagery (B7)  Primary Indicators (any one is sufficient)  Inundation Visible on Aerial Imagery (B7)  Inundation Visible on Aerial Imagery (B7)  Prainage Patterns (B10)  Oxidized Rhizospheres along Living Roots (C3)  All Deposits (B15)  We Presence of Reduced Iron (C4)  Salt Deposits (C5)  Sediment Deposits (B2)  Dry-Season Water Table (C2)  Stunted or Stressed Plants (D1)  Other (Explain in Remarks)  Geomorphic Position (D2)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Surface Soil Cracks (B6)  Field Observations:  Surface Water Present?  Yes No Depth (inches):  Saturation Present?  Yes No Depth (inches):  Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:  Small ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced in the presence of reduced in the presence of Reduced Iron (C4)  Shallow Aquitard (D3)  Microtopographic Relief (D4)  FAC-neutral Test (D5)  Wetland Hydrology Present? Yes No  Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:								
Surface Water (A1)	ositive alpha-alpha Dypiric							
✓ High Water Table (A2)       Sparsely Vegetated Concave Surface (B8)       Oxidized Rhizospheres along Living Roots (C3)         ✓ Saturation (A3)       Marl Deposits (B15)       ✓ Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Salt Deposits (C5)         Sediment Deposits (B2)       Dry-Season Water Table (C2)       Stunted or Stressed Plants (D1)         Drift Deposits (B3)       Other (Explain in Remarks)       Geomorphic Position (D2)         Algal Mat or Crust (B4)       ✓ Shallow Aquitard (D3)         Iron Deposits (B5)       Microtopographic Relief (D4)         Surface Soil Cracks (B6)       ✓ FAC-neutral Test (D5)         Field Observations:       Surface Water Present?       Yes No Depth (inches):         Water Table Present?       Yes No Depth (inches):       Wetland Hydrology Present? Yes No Depth (inches):         Saturation Present? (includes capillary fringe)       Yes No Depth (inches):       No Depth (inches):         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:     Remarks:  Small ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced reactions. The prevalence of reduced reaction to alpha, alpha-dipyridyl indicates presence of reduced reactions. The prevalence of reduced reaction to alpha, alpha-dipyridyl indicates presence of reduced reactions. The prevalence of reduced reac	ositive alpha-alpha Dypirio YDROLOGY Vetland Hydrology Indi	dyl rxn indica	ates reducing e					
✓ Saturation (A3)       Marl Deposits (B15)       ✓ Presence of Reduced Iron (C4)         Water Marks (B1)       Hydrogen Sulfide Odor (C1)       Salt Deposits (C5)         Sediment Deposits (B2)       Dry-Season Water Table (C2)       Stunted or Stressed Plants (D1)         Drift Deposits (B3)       Other (Explain in Remarks)       Geomorphic Position (D2)         Algal Mat or Crust (B4)       ✓ Shallow Aquitard (D3)         Iron Deposits (B5)       Microtopographic Relief (D4)         Surface Soil Cracks (B6)       ✓ FAC-neutral Test (D5)         Field Observations:       Surface Water Present?       Yes No Depth (inches):         Water Table Present?       Yes No Depth (inches):       Wetland Hydrology Present?       Yes No Depth (inches):         Saturation Present? (includes capillary fringe)       Yes No Depth (inches):       No Depth (inches):       Wetland Hydrology Present?       Yes No Depth (inches):         Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	ositive alpha-alpha Dypirio YDROLOGY Vetland Hydrology Indi	dyl rxn indica	ates reducing e					
Water Marks (B1)	YDROLOGY Vetland Hydrology Indi Primary Indicators (any on Surface Water (A1)	cators:	ates reducing e	nvironment.	Visible on Aeria	al Imagery (B7)	Water Sta	ined Leaves (B9)
Sediment Deposits (B2)  □ Dry-Season Water Table (C2)  □ Stunted or Stressed Plants (D1)  □ Drift Deposits (B3)  □ Other (Explain in Remarks)  □ Geomorphic Position (D2)  □ Algal Mat or Crust (B4)  □ Shallow Aquitard (D3)  □ Microtopographic Relief (D4)  □ Microtopographic Relief (D4)  □ FAC-neutral Test (D5)  □ Surface Soil Cracks (B6)  □ Depth (inches):  Surface Water Present?  Yes  No  Depth (inches):  □	YDROLOGY Vetland Hydrology Indi Primary Indicators (any on Surface Water (A1) Veligh Water Table (A2)	cators:	ates reducing e	Inundation Sparsely Ve	getated Concav		Water Sta Drainage I Oxidized F	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3)
□ Drift Deposits (B3) □ Other (Explain in Remarks) □ Geomorphic Position (D2) □ Algal Mat or Crust (B4) □ Shallow Aquitard (D3) □ Iron Deposits (B5) □ Microtopographic Relief (D4) □ Surface Soil Cracks (B6) □ FAC-neutral Test (D5)  Field Observations: Surface Water Present? Yes ○ No ○ Depth (inches): Water Table Present? Yes ○ No ○ Depth (inches): 1 Saturation Present? Yes ○ No ○ Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks: Gradl ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced to the presence of the p	YDROLOGY Vetland Hydrology Indi Primary Indicators (any on Surface Water (A1) V High Water Table (A2 V Saturation (A3)	cators:	ates reducing e	Inundation Sparsely Ve	getated Concav		Water Sta □ Drainage I □ Oxidized F ✓ Presence o	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3) of Reduced Iron (C4)
□ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ Surface Soil Cracks (B6) □ Surface Soil Cracks (B6) □ FAC-neutral Test (D5) □ Surface Water Present? Yes ○ No ○ Depth (inches): Water Table Present? Yes ○ No ○ Depth (inches): 1 Saturation Present? Yes ○ No ○ Depth (inches): 0 □ Depth (inches): 0 □ Depth (inches): 1 □ Depth (inches): 1 □ Depth (inches): 1 □ Depth (inches): 0 □ Depth (	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on Surface Water (A1)  V High Water Table (A2 Saturation (A3) Water Marks (B1)	icators: le is sufficier	ates reducing e	Inundation Sparsely Ve	getated Concav ts (B15) ulfide Odor (C1	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✓ Presence 0  □ Salt Depos	ned Leaves (B9) Patterns (B10) thizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5)
☐ Iron Deposits (B5) ☐ Microtopographic Relief (D4) ☐ Surface Soil Cracks (B6) ☐ FAC-neutral Test (D5) ☐ FAC-neutral Test (D5	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on Surface Water (A1)  High Water Table (A2  Saturation (A3) Water Marks (B1) Sediment Deposits (B.	icators: le is sufficier	ates reducing e	Inundation Sparsely Ve	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✓ Presence 0  □ Salt Depos	ned Leaves (B9) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) * Stressed Plants (D1)
Surface Soil Cracks (B6)  FAC-neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches): 1  Saturation Present?  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:  Granll ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2)  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)	cators: e is sufficier	ates reducing e	Inundation Sparsely Ve	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized R  ✔ Presence 0  □ Salt Depos  □ Stunted or  □ Geomorph	Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2)
Field Observations:  Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches): 1  Saturation Present? (includes capillary fringe)  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks: Grall ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY  Vetland Hydrology Indi  Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2)  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B4)	cators: e is sufficier	ates reducing e	Inundation Sparsely Ve	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✓ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✓ Shallow Ar	Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3)
Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches): 1  Saturation Present? Yes No Depth (inches): 0  Depth (inches): 0  Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:  Small ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)	icators: le is sufficier  2)	ates reducing e	Inundation Sparsely Ve	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✓ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✓ Shallow Ar  □ Microtopo	Patterns (B10) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) Sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
Water Table Present? Yes No Depth (inches): 1 Saturation Present? Yes No Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks: Small ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)	icators: le is sufficier  2)	ates reducing e	Inundation Sparsely Ve	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✓ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✓ Shallow Ar  □ Microtopo	Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
Saturation Present? (includes capillary fringe)  Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks: Inall ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2 ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Drift Deposits (B3)  Algal Mat or Crust (B4  Iron Deposits (B5)  Surface Soil Cracks (B	icators: le is sufficier  2)	nt)	Inundation Sparsely Ve	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✓ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✓ Shallow Ar  □ Microtopo	Patterns (B10) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) Sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
(includes capillary fringe)  Pescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:  Gemarks:  Gema	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B4  Iron Deposits (B5)  Surface Soil Cracks (B	icators: le is sufficier  2)  Yes  Yes	nt)	Inundation Sparsely Ved Marl Deposi Hydrogen SUDry-Season Other (Expla	getated Concav ts (B15) ulfide Odor (C1 Water Table (C ain in Remarks)	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✓ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✓ Shallow Ar  □ Microtopo	Patterns (B10) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) Sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:  Granll ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2)  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Drift Deposits (B3)  Algal Mat or Crust (B4  Iron Deposits (B5)  Surface Soil Cracks (B5)  Surface Water Present?	icators: le is sufficier  2)  Yes  Yes	nt)	Inundation Sparsely Very Hydrogen Spry-Season Other (Expla	getated Concav ts (B15) ulfide Odor (C1 Water Table (C ain in Remarks)	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✔ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✔ Shallow Ar  □ Microtopo	rined Leaves (B9) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) iic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
Small ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B4  Iron Deposits (B5)  Surface Soil Cracks (B  ield Observations:  Surface Water Present?  Water Table Present?  Saturation Present?	icators: le is sufficier  2)  Yes  Yes	nt)  No  No  No  No  No  No  No  No  No  No	Inundation \( \) Sparsely Veg Marl Deposi Hydrogen S Dry-Season Other (Explain Depth (inch Depth (inch	getated Concav ts (B15) ulfide Odor (C1 Water Table (C ain in Remarks) es):	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✔ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✔ Shallow Ar  □ Microtopo	rined Leaves (B9) Patterns (B10) Phizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) iic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
Small ponded areas within plot, but not prevalent enough to meet intent of A1 (surface water). Positive reaction to alpha, alpha-dipyridyl indicates presence of reduced	YDROLOGY Vetland Hydrology Indi Primary Indicators (any on  Surface Water (A1)  ✓ High Water Table (A2  ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Surface Soil Cracks (B  Field Observations: Surface Water Present? Water Table Present? (includes capillary fringe)	icators: le is sufficier  2)  Yes  Yes	nt)  No   No   No   No   No   No   No   No	Inundation Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Expla	getated Concavents (B15) ulfide Odor (C1 Water Table (Cain in Remarks) es): es): 0	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✔ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✔ Shallow Ar  □ Microtopo	rined Leaves (B9) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) iic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on Surface Water (A1)  ✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B Surface Water Present? Water Table Present?  Water Table Present? (includes capillary fringe) Describe Recorded Data (st	icators: le is sufficier  2)  Yes  Yes	nt)  No   No   No   No   No   No   No   No	Inundation Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Expla	getated Concavents (B15) ulfide Odor (C1 Water Table (Canin in Remarks) es): es): 0	ve Surface (B8)	Water Sta  □ Drainage I  □ Oxidized F  ✔ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✔ Shallow Ar  □ Microtopo	rined Leaves (B9) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) iic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
	YDROLOGY  Vetland Hydrology Indi Primary Indicators (any on Surface Water (A1)  ✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B Surface Water Present? Water Table Present? Water Table Present? (includes capillary fringe) Describe Recorded Data (st	cators: le is sufficier  Yes  Yes  tream gauge	No N	Inundation Sparsely Veg Marl Deposi Hydrogen Si Dry-Season Other (Explain Depth (inch Depth (inch Depth (inch aerial photos, present the p	getated Concave ts (B15) ulfide Odor (C1 Water Table (Consin in Remarks)  es): es): 1 es): 0 evious inspection	we Surface (B8)  C2)  Wetl	Water Sta  □ Drainage I  □ Oxidized F  ✔ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  ✔ Shallow Ar  □ Microtopo  ✔ FAC-neutra  and Hydrology Preser	Ined Leaves (B9) Patterns (B10) Chizospheres along Living Roots (C3) of Reduced Iron (C4) Sits (C5) Stressed Plants (D1) Sic Position (D2) Quitard (D3) Graphic Relief (D4) al Test (D5)  At? Yes No

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